

Technical Soil Descriptions

Technical soil descriptions describe the characteristics or properties (physical and chemical) of the soil including the parent material in which it formed. A pedon, a small three-dimensional area of the soil, serves as the reference point for the technical or soil series description. The soil description compares the soil to similar and other nearby soils and also includes a range of important characteristics. The detailed description method follows standards outlined in the [Soil Survey Manual](#) and many of the technical terms used in the description are defined in [Soil Taxonomy](#).

Counties with Published Soil Surveys

Technical soil descriptions are located in the county soil survey descriptive legend.

Counties without Published Soil Surveys

Technical soil descriptions can be found in adjacent county published soil survey descriptive legends or at our [Official Soil Series Description](#) web site.

This section includes:

- (a) **Classification of the soils**

Perry County, Missouri
 Classification of the Soils

Soil name	Family or higher taxonomic class
Ashton-----	Fine-silty, mixed, mesic Mollic Hapludalfs
Auxvasse-----	Fine, montmorillonitic, mesic Aeric Albaqualfs
Bucklick-----	Fine, mixed, active, mesic Typic Hapludalfs
Caneyville-----	Fine, mixed, active, mesic Typic Hapludalfs
Clarksville-----	Loamy-skeletal, siliceous, semiactive, mesic Typic Paleudults
Darwin-----	Fine, smectitic, mesic Fluvaquentic Vertic Endoaquolls
Dupo-----	Coarse-silty over clayey, mixed, nonacid, mesic Aquic Udifluvents
Elsah-----	Loamy-skeletal, mixed, nonacid, mesic Typic Udifluvents
Freeburg-----	Fine-silty, mixed, superactive, mesic Aquic Hapludalfs
Gasconade-----	Clayey-skeletal, mixed, superactive, mesic Lithic Hapludolls
Goss-----	Clayey-skeletal, mixed, active, mesic Typic Paleudalfs
Haymond-----	Coarse-silty, mixed, superactive, mesic Dystric Fluventic Eutrudepts
Haynie-----	Coarse-silty, mixed, superactive, calcareous, mesic Mollic Udifluvents
Hildebrecht-----	Fine-silty, mixed, mesic Typic Fragiudalfs
Kickapoo-----	Coarse-loamy, mixed, nonacid, mesic Typic Udifluvents
Leta-----	Clayey over loamy, montmorillonitic, mesic Fluvaquentic Hapludolls
Lily-----	Fine-loamy, siliceous, mesic Typic Hapludults
Menfro-----	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Midco-----	Loamy-skeletal, siliceous, nonacid, mesic Typic Udifluvents
Minnith-----	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs
Orthents-----	Orthents
Parkville-----	Clayey over loamy, montmorillonitic, mesic Fluvaquentic Hapludolls
Waldron-----	Fine, smectitic, active, calcareous, mesic Aeric Fluvaquents
Weingarten-----	Fine-silty, mixed, active, mesic Fragic Hapludalfs
Weller-----	Fine, smectitic, mesic Aquertic Chromic Hapludalfs
Wilbur-----	Coarse-silty, mixed, superactive, mesic Fluvaquentic Eutrudepts